

## Docker-compose

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sudo apt install docker-compose

docker-compose images

docker-compose up -d

docker exec -it arunesh\_db\_1 /bin/bash

sudo nano docker-compose.yaml

```
mysql -u root -p
```

```
exit
```

docker-compose ps

docker-compose down

```
arunesh@Arunesh:~$ docker-compose images
Container    Repository    Tag    Image Id    Size
-----
arunesh@Arunesh:~$ docker-compose up -d
Creating network "arunesh_default" with the default driver
Pulling web (nginx:latest)...
latest: Pulling from library/nginx
6e909acdb790: Pull complete
5eaa34f5b9c2: Pull complete
417c4bccf534: Pull complete
e7e0ca015e55: Pull complete
373fe654e984: Pull complete
97f5c0f51d43: Pull complete
c22eb46e871a: Pull complete
Digest: sha256:124b44bfc9ccd1f3cedf4b592d4d1e8bddb78b51ec2ed5056c52d3692baebc19
Status: Downloaded newer image for nginx:latest
Pulling db (mysql:latest)...
latest: Pulling from library/mysql
804bb8ae89de: Pull complete
1b515e7ceb69: Pull complete
eaa11c0a9f08: Pull complete
8d18181893b8: Pull complete
e0a910cc8604: Pull complete
bc0c792ca096: Pull complete
8d73d2a73425: Pull complete
4a7e00d873b9: Pull complete
27a2553d6a80: Pull complete
69e76254f502: Pull complete
Digest: sha256:9b9d0aab4860798acff13d2a0ece3bc26639fe18b83fa5cd3e3d0e16b3ed05dd
Status: Downloaded newer image for mysql:latest
Creating arunesh_web_1 ... done
Creating arunesh_db_1 ... done
arunesh@Arunesh:~$ docker exec -it arunesh_db_1 /bin/bash
bash-5.1# mysql -u admin -p
Enter password:
ERROR 1045 (28000): Access denied for user 'admin'@'localhost' (using password: YES)
bash-5.1# mysql -u admin -p
Enter password:
ERROR 1045 (28000): Access denied for user 'admin'@'localhost' (using password: YES)
bash-5.1# mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 11
Server version: 9.2.0 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> exit
Bye
```

```

arunesh@Arunesh:~$ sudo nano docker-compose.yaml
arunesh@Arunesh:~$ sudo nano docker-compose.yaml
[sudo] password for arunesh:
arunesh@Arunesh:~$ docker exec -it arunesh_db_1 /bin/bash
bash-5.1# mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 12
Server version: 9.2.0 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> exit
Bye
bash-5.1# exit
exit
arunesh@Arunesh:~$ notepad docker-compose.txt
notepad: command not found
arunesh@Arunesh:~$ docker-compose images

```

Container	Repository	Tag	Image Id	Size
arunesh_db_1	mysql	latest	fa262c3a6564	797 MB
arunesh_web_1	nginx	latest	53a18edff809	192 MB

```

arunesh@Arunesh:~$ docker-compose ps

```

Name	Command	State	Ports
arunesh_db_1	docker-entrypoint.sh mysqld	Up	3306/tcp, 33060/tcp
arunesh_web_1	/docker-entrypoint.sh nginx ...	Up	0.0.0.0:80->80/tcp, :::80->80/tcp

```

arunesh@Arunesh:~$ docker-compose down
Stopping arunesh_db_1 ... done
Stopping arunesh_web_1 ... done
Removing arunesh_db_1 ... done
Removing arunesh_web_1 ... done
Removing network arunesh_default
arunesh@Arunesh:~$ |

```

## DOCKER COMPOSE:

```
sudo nano docker-compose.yaml
```

```
version: '3'
```

```
services:
```

```
  web:
```

```
    image: nginx:latest
```

```
    ports:
```

```
      - 80:80
```

```
  db:
```

```
    image: mysql:latest
```

```
    environment:
```

```
      - MYSQL_ROOT_PASSWORD=secret
```

```
sudo apt install docker-compose -y
```

```
docker-compose up -d
```

```
docker exec -it arunesh-db-1 /bin/bash
```